

ABSTRACT OF THE DISCLOSURE

A wastewater media matrix comprised of interconnected tubes each receiving an inner core. Each inner core has eight vanes. The tubes have inner and outer wall surfaces and fins, having surfaces, extend outwardly from the outer wall. The vanes have surfaces. All surfaces receive biofilm. The media matrix is contained in a media matrix container. Inlet wastewater is directed into the media matrix and a discharge is provided from the medial matrix container.

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